

Figure 1

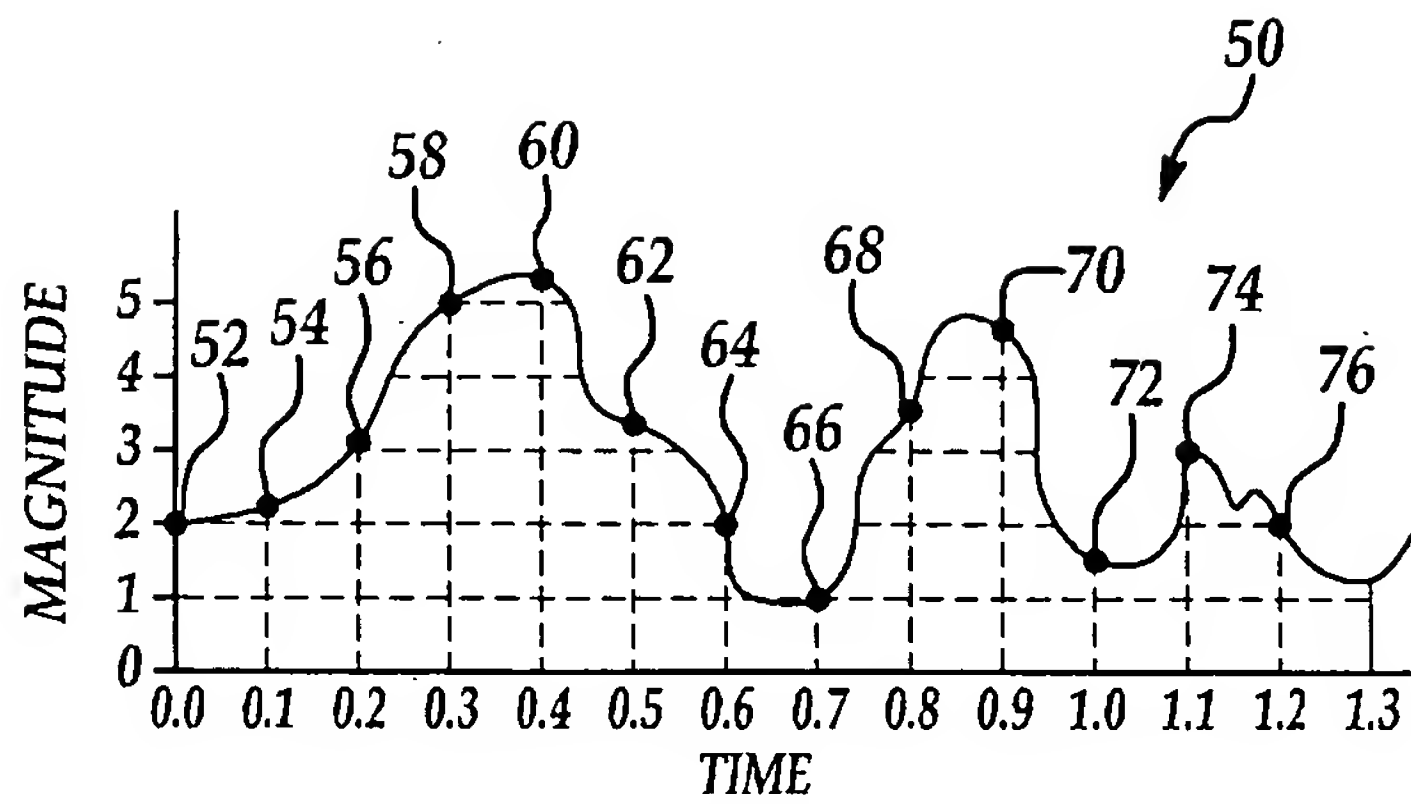


Figure 2

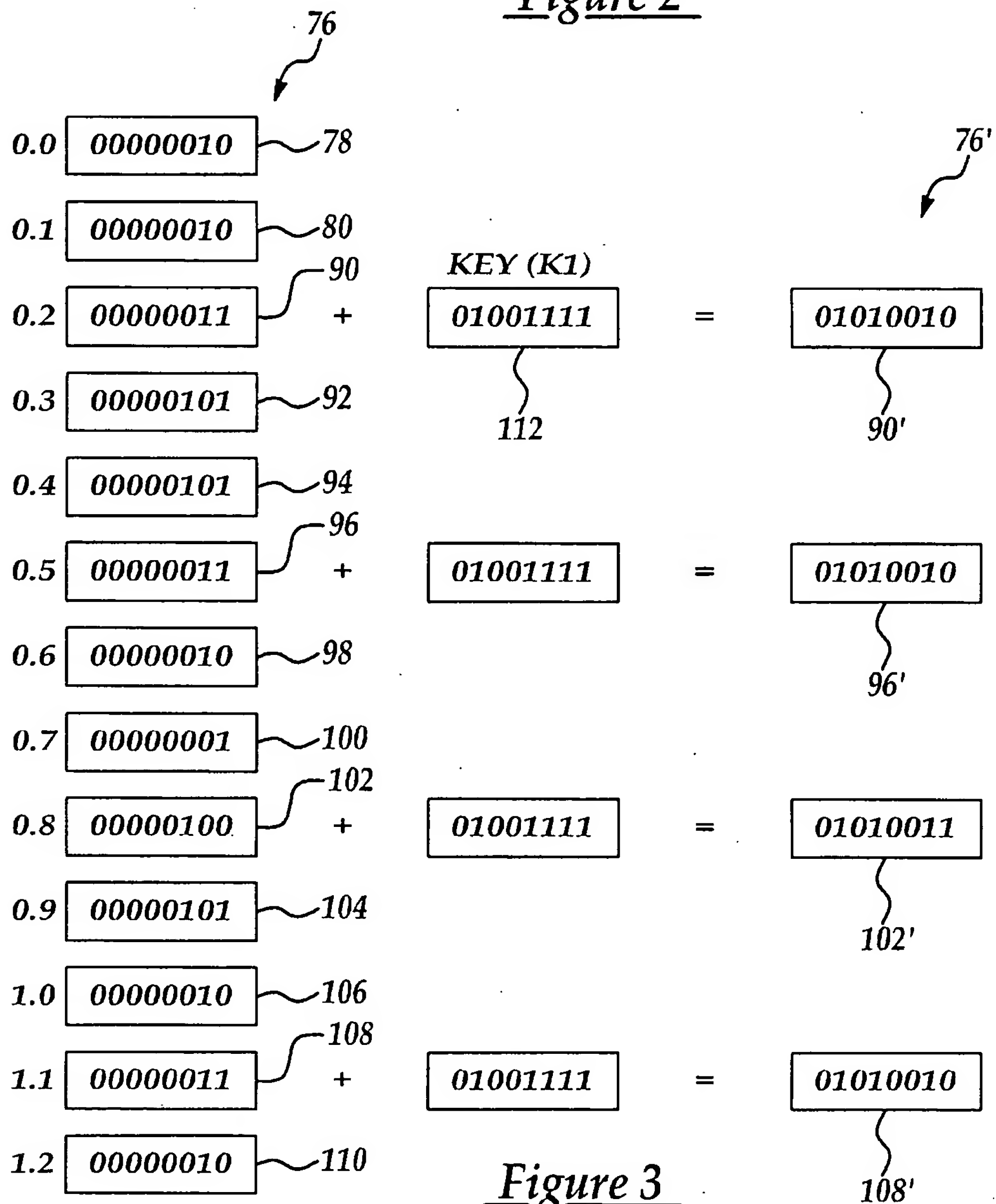


Figure 3

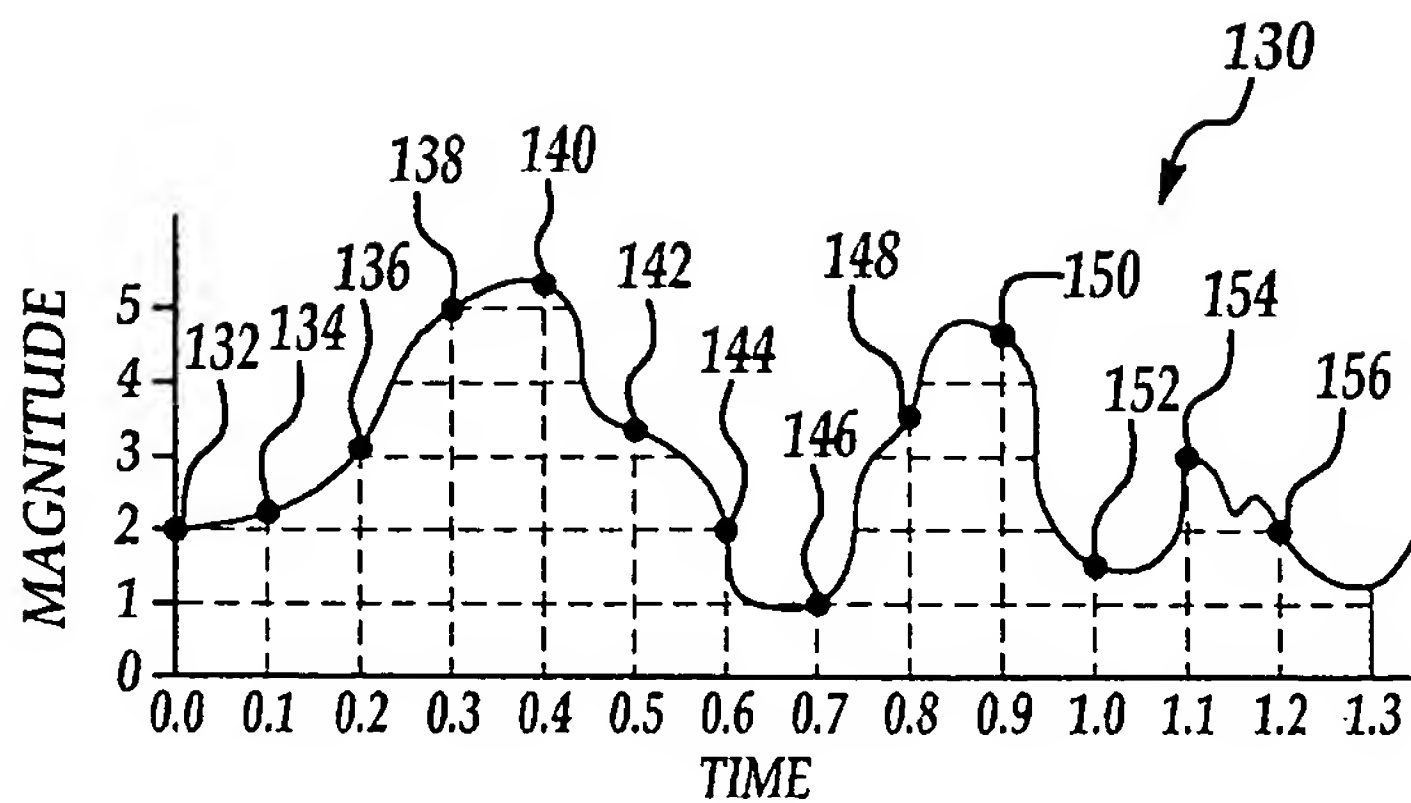


Figure 4

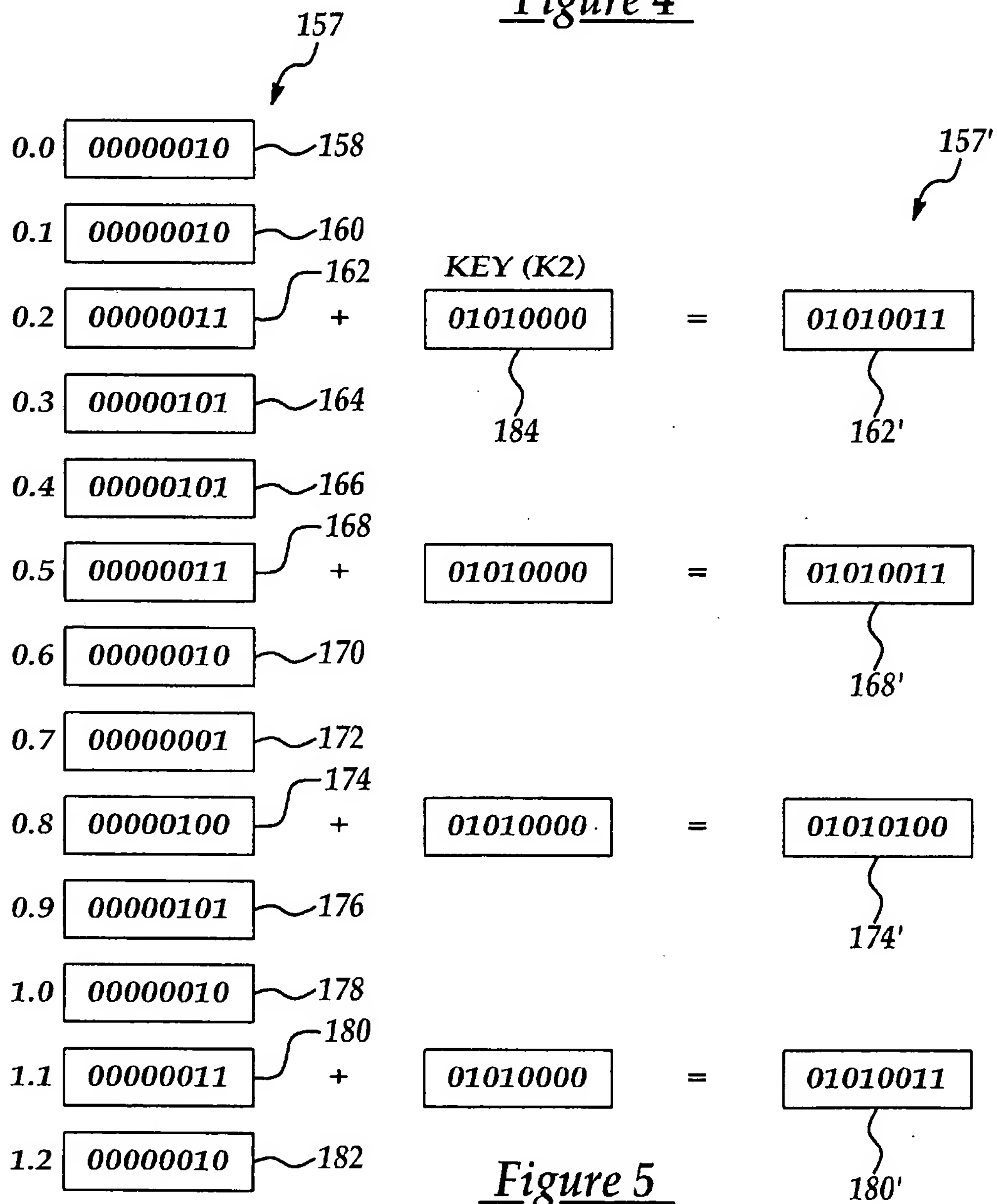


Figure 5

ATM CELL STRUCTURE FOR DATA MESSAGE

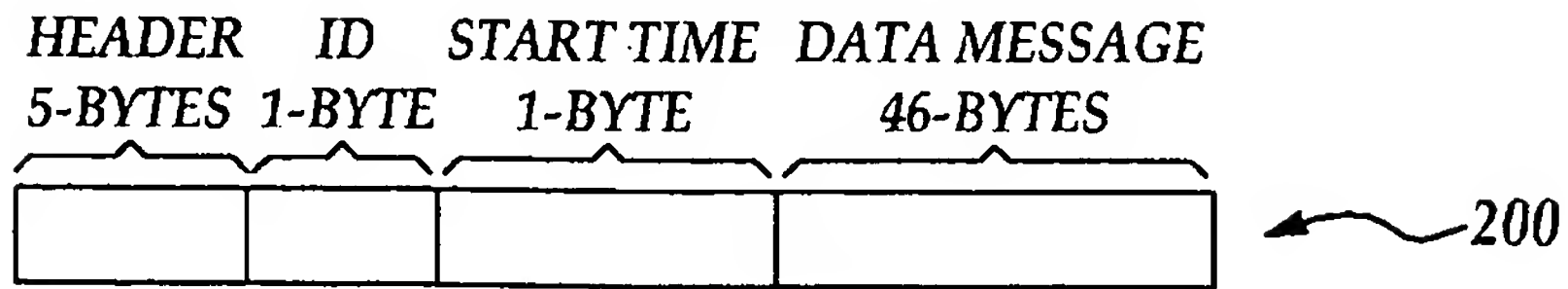


Figure 6

ATM CELL STRUCTURE FOR KEY MESSAGE

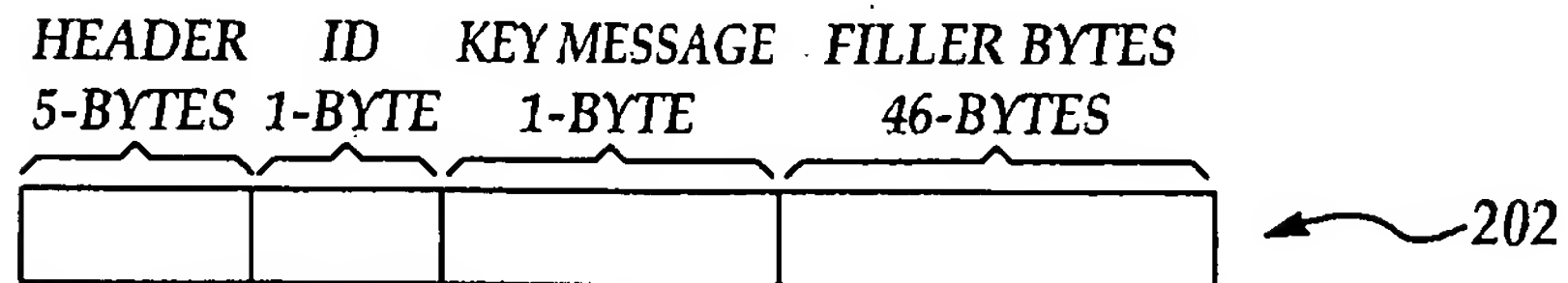


Figure 7

ATM CELL STRUCTURE FOR DATA MESSAGE AND KEY MESSAGE

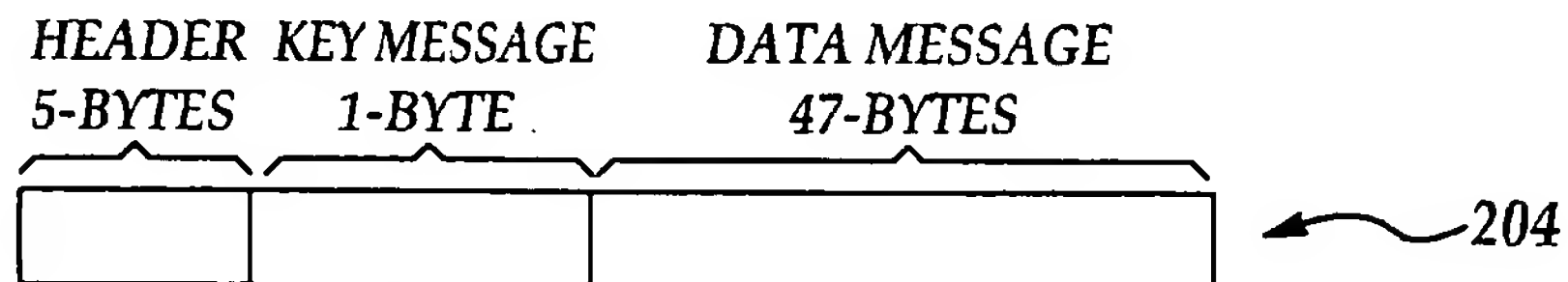


Figure 8

CALCULATION OF FIRST MODIFICATION KEY VALUE (K1) FOR FIRST DATA MESSAGE

| MONTH | DAY | YEAR | HOUR | MINUTE | | |
|-------|-----|------|------|--------|----|--------------------------------------------------------------------|
| 12 | + | 18 | + | 03 | + | 16 |
| | | | | + | 29 | = 78 = |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">01001110</div> |
| | | | | | | + |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">00000001</div> |
| | | | | | | VOICE SAMPLE |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">01001111</div> |
| | | | | | | KEY (K1) |

Figure 9

CALCULATION OF SECOND MODIFICATION KEY VALUE (K2) FOR FIRST DATA MESSAGE

| MONTH | DAY | YEAR | HOUR | MINUTE | | |
|-------|-----|------|------|--------|----|--------------------------------------------------------------------|
| 12 | + | 18 | + | 03 | + | 16 |
| | | | | + | 30 | = 80 = |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">01001111</div> |
| | | | | | | + |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">00000001</div> |
| | | | | | | VOICE SAMPLE |
| | | | | | | <div style="border: 1px solid black; padding: 2px;">01010000</div> |
| | | | | | | KEY (K2) |

Figure 10

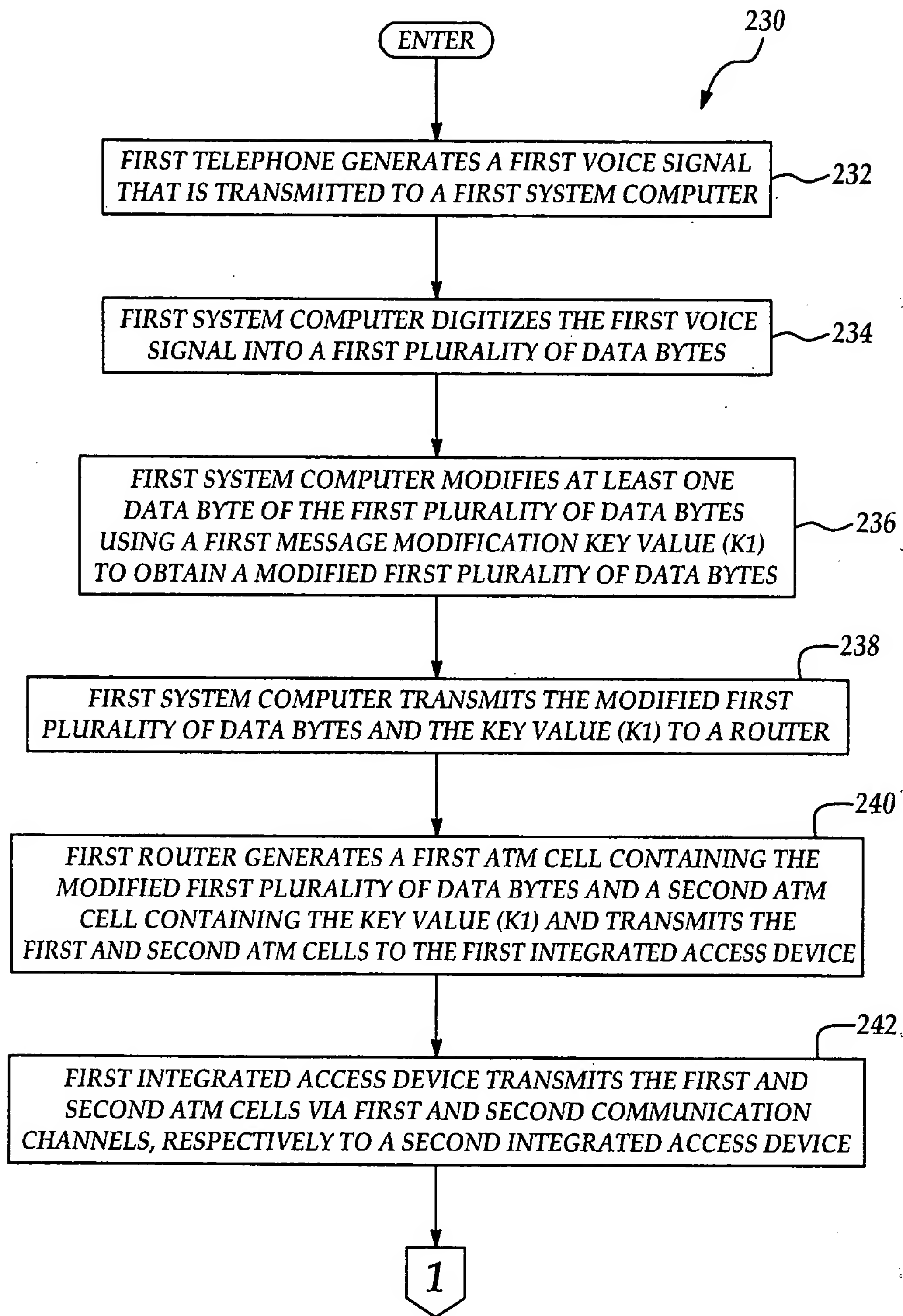


Figure 11A

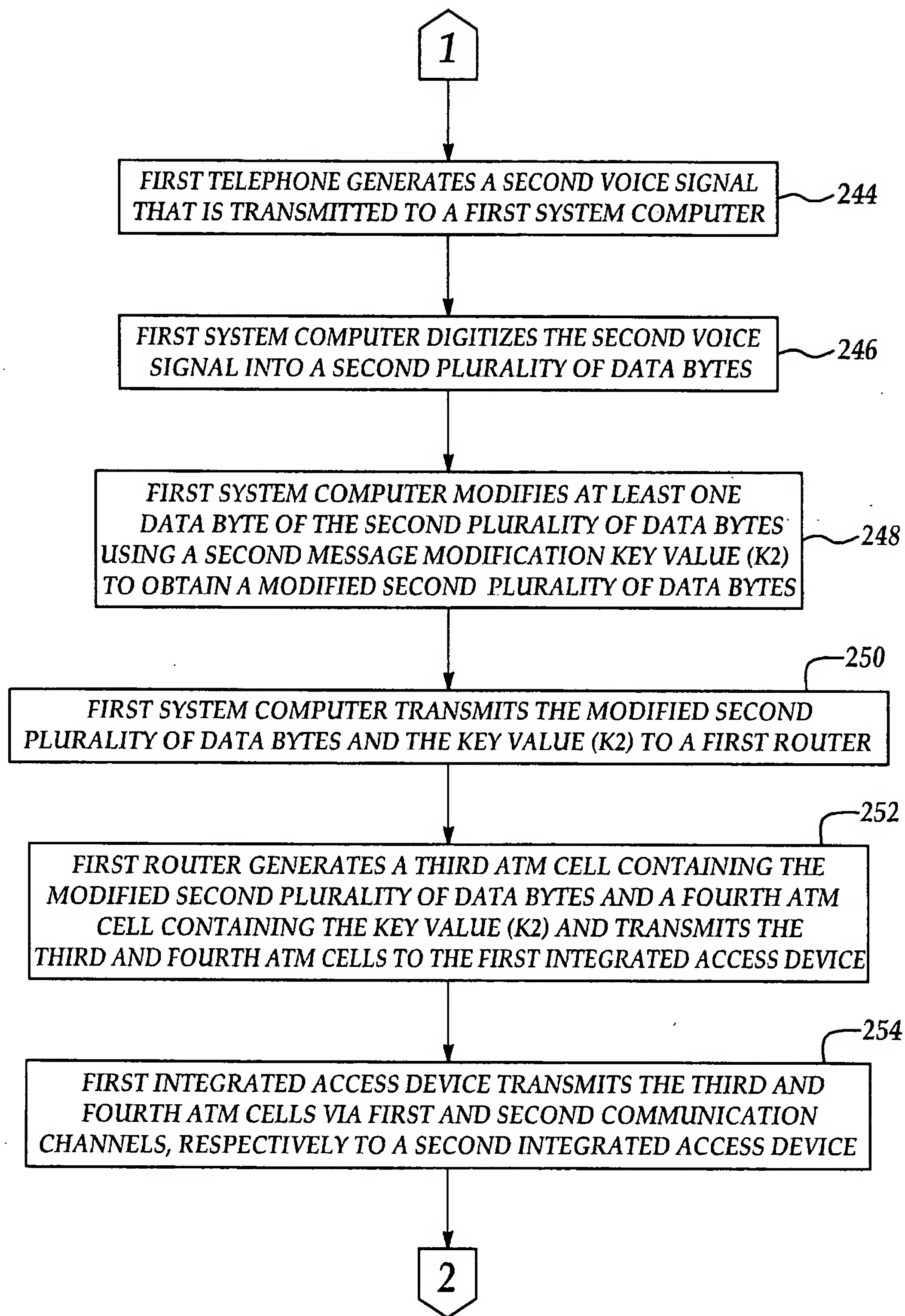


Figure 11B

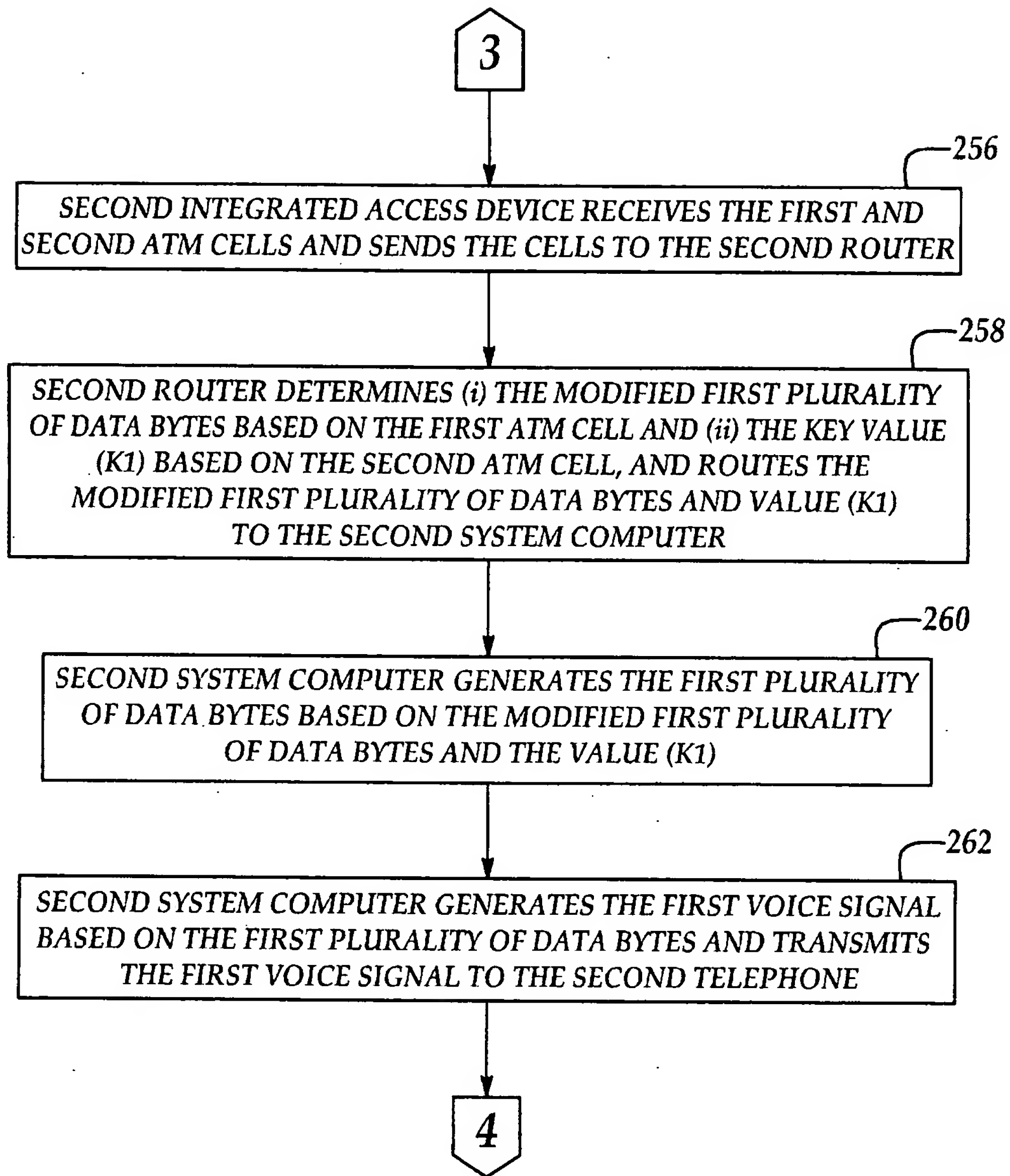


Figure 11C

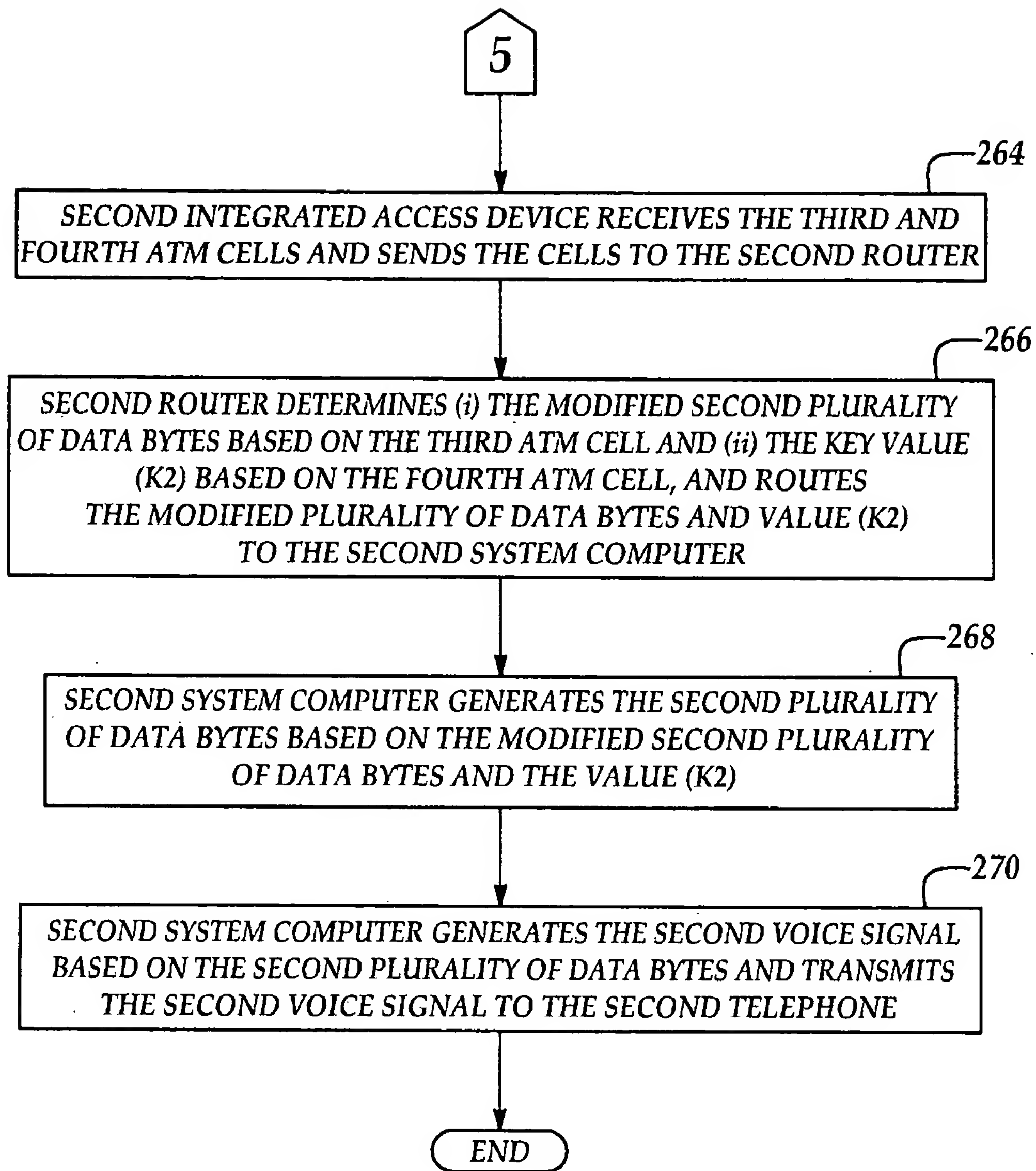


Figure 11D